

## CLAIMS

1. A fragrance composition to be added to a hair cosmetic composition having a pH of 1 to 5, comprising the following ingredients (A) and (B), or (A) and (C), or (A), (B) and (C):

5 (A) from 0.1 to 70 wt.% of a musk;

(B) from 0.001 to 80 wt.% of at least one compound selected from the following compounds (i) to (v):

(i) compounds represented by the following formula (1):



wherein  $R^1$  represents a linear, branched or cyclic hydrocarbon group having from 2 to 14 carbon atoms, which may contain an oxygen atom or nitrogen atom in at least one carbon-to-carbon bond thereof, and  $R^2$  represents a linear, branched or cyclic hydrocarbon group having from 1 to 15 carbon atoms, which may contain an oxygen atom or nitrogen atom in at least one carbon-to-carbon bond thereof,

(ii) compounds represented by the following formula (2):



wherein  $R^3$  represents a hydrogen atom or methyl group, and  $R^4$  represents a hydrocarbon group or cyclic hydrocarbon group, in which an  $\alpha$ -carbon or  $\beta$ -carbon to an ether linkage in an ester group in formula (2) has a branched chain,

25 (iii) lactones having total carbon numbers of from

5 to 14,

(iv) ketone compounds having a cyclic or chain skeleton and having total carbon numbers of from 5 to 14,

(v) aldehydes having total carbon numbers of from 5 to 14; and

(C) from 0.01 to 90 wt.% of a hydrocarbon having a total carbon number of from 5 to 15.

2. The fragrance composition according to claim 1, further comprising, as ingredient (D), from 0.00001 to 1 wt.% of a sulfur-containing compound.

3. A fragrance composition for a hair cosmetic composition having a pH of 1 to 5, comprising at least two ingredients selected from the following ingredients (E), (F) and (G), wherein a content of said ingredient (E) is from 10 wt.% to 70 wt.% of said fragrance composition, a content of said ingredient (F) is from 5 wt.% to 60 wt.% of said fragrance composition, and a content of said ingredient (G) is from 10 wt.% to 60 wt.% of said fragrance composition:

(E) at least one ingredient selected from  $\alpha$ -amylcinnamic aldehyde, acetophenone, decanal, undecanal, undecenal, dodecanal, 2-methylundecanal, octanal, nonanal, allylcyclohexyl propionate, allyl phenoxyacetate, anisaldehyde, anisyl acetate, anisyl acetone, borneol, 3-(p-tert-butylphenyl)-propanal, 7-methyl-3,5-dihydro-2H-benzodioxepin-3-one, cinnamyl

acetate, cis-4-decenal, cis-jasmone, citronellyloxy  
 acetaldehyde, dodecanenitrile,  
 2-methyl-3-(isopropylphenyl)-propanal (cyclamen aldehyde),  
 dihydrojasmone, methyl dihydrojasmonate, dihydromircenol,  
 5 tricyclodecylidene-4-butanal, ethyl 2-cyclohexylpropionate,  
 ethyl 2,6,6-trimethyl-1,3-cyclohexadiene-1-carboxylate,  
 ethyl isovalerate, ethyl linalol, ethyl vanillin, eugenol,  
 6-ethylidenooctahydro-5,8-methano-1H-1-benzopyran-2-one,  
 ethyl tricyclodecan-2-yl-carboxylate, franeol,  
 10 ethyl-3-(bicyclo[2.2.1]hepto-5-en-2-yl)-3-methyl  
 glycidate, 2-methyl-3-(3,4-methylenedioxyphenyl)-propanol,  
 cis-3-hexenyl methylcarbonate,  
 2-methyl-3-(4-tert-butylphenyl)-propanal,  
 4(3)-(4-hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxald  
 15 ehyde, methyl anthranilate, methyl  $\beta$ -naphthyl ketone,  
 4(3)-(4-methyl-3-pentenyl)-3-cyclohexene-1-carboxaldehyde,  
 2-(2-(4-methyl-3-cyclohexen-1-yl)propyl)cyclopentanone,  
 nookkatone, phenylacetaldehyde, 2-cyclohexylpropanal,  
 8-methoxytricyclodecane-4-carboxaldehyde, thymol,  
 20 trans-2-decenal, trans-2-hexanal, tricyclodecenyl acetate,  
 tricyclodecenyl propionate,  
 1-acetyl-2,6,10-trimethylcyclododeca-2,5,9-triene, and  
 vanillin;

(F) at least one ingredient selected from 1-octen-3-yl  
 25 acetate, 2,5-decadienal, 2,4-octadienal, 2,6-nonadienal,

- 1,3-oxathiane 2-methyl-4-propionate, 2-methylbutyl  
 2-methylbutyrate, 2-methylbutyl 2-isovalerate,  
 2-methylbutyl valerate, acetophenone, acetylcedrene  
 [ethanone,
- 5 1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-met  
 hanoazulen-5-yl)-]β-methylnaphthyl ketone, α-damascon,  
 hexanol, hexanal, heptanal, allylionone, allyl heptanoate,  
 allyl hexanoate, α-pinene, α-terpinene, β-damascon,  
 benzaldehyde, benzyl acetate, benzyl propionate, camphor,
- 10 2-methyl-3-(para-methoxyphenyl)-propylaldehyde, cedrene,  
 3-proylobicyclo(2.2.1)hept-5-ene-2-carbaldehyde, cinnamic  
 alcohol, cis-3-hexenol, cis-3-hexenyl propionate,  
 cis-jasmone, citral, citronellal, citronellol, citronellyl  
 nitrile, thiol addition product of limonene, thiol
- 15 substitution product of limonene, methyl  
 cyclopentylidenacetate, dimethylbenzylcarbinyl acetate,  
 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one,  
 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one,  
 dihydrojasmone, ethyl maltol, ethyl trimethylhexanoate ,
- 20 ethyl 2-methylbutylate, ethyl butyrate, ethyl heptanoate,  
 ethyl hexanoate, ethyl nonanoate, ethyl octanoate, ethyl  
 propionate, ethyl valerate, fenchone,  
 p-ethyl-2,2-dimethylhydrocinnamaldehyde, ethyl
- 25 2-tert-butylcyclohexylcarbonate, 2-sec-butylcyclohexanone,  
 ethyl-2-methyl-1,3-dioxolan-2-acetate, geraniol, geranyl

nitrile, 3-methyl-5-prop-2-cyclohexen-1-one, hexylcinnamic  
 aldehyde, heptyl cyclopentanone, iron, isobutyl salicylate,  
 1-(2,4,4-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one,  
 L-carvone, 3,7-dimethyl-2(3),6-nonadienenitrile, limonene,  
 5 L-menthol, menthone, maltol, 3-methyl-5-phenylpentanal,  
 methyl dihydrojasmonate, methyl benzoate, methyl butyrate,  
 methyl geranylate, methyl octanoate, methyl salicylate,  
 methyl valerate, butyl butyrate, hexyl acetate,  
 hexylcyclopentanone, amyl valerate, amyl butyrate, amyl  
 10 propionate, orthomethoxycinnamic aldehyde,  
 o-tert-butylcyclohexyl acetate, para-amylcyclohexanone,  
 paracymene, phenylethyl alcohol, phenylethyl propionate,  
 phenylhexanol, phenylpropyl acetate,  
 4-methyltricyclo[6.2.1.0<sup>2,7</sup>]undecan-5-one,  
 15 p-menthane-8-thiol-3-one, p-tert-butylcyclohexyl acetate,  
 styrallyl acetate, terpineol, terpinolene, terpinyl  
 propionate, trans-2-hexanal, trans-2-hexenyl acetate,  
 trimethylhexanal,  
 2,4-dimethyl-3-cyclohexenylcarboxaldehyde,  
 20 2,2,5-trimethyl-5-pentylcyclopentanone, and  
 4-cyclohexyl-4-methyl-2-pentanone,  
 (G) allyl anthranillate,  
 1-(2-tert-butylcyclohexyloxy)-2-butanol,  
 7-cyclohexadecenolide (ambrettolide),  
 25 (3 $\alpha$ ,6,6,9 $\alpha$ -tetramethyldodecahydronaphtho[2.1-b]furan,

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-  
 ol, benzophenone, benzyl alcohol, caryophyllene,  
 6,7-dihydro-1,1,2,3,3,-pentamethyl-4(5H)-indanone,  
 4-acetyl-6-tert-butyl-1,1-dimethylindan, cis-3-hexenyl  
 5 anthranylate, 4-hexenyl salicylate, coumarin,  
 cyclopentadecanone, dynascone,  
 3-methyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-4-penten-  
 2-ol, ethyl salicylate, eugenol acetate, geranyl  
 cyclopentanone, oxacyclohexadecen-2-one, heliotropine,  
 10 heliotropyl acetone, hexadecanolide,  $\alpha$ -ionone,  $\beta$ -ionone,  
 7-acetyl-1,2,3,4,5,6,7,8-octahydro-1,1,6,7-tetramethyl  
 naphthalene, isobutyl anthranylate, isoeugenol acetate,  
 $\delta$ -decalactone,  $\alpha$ -methylionone,  $\gamma$ -methylionone,  
 3-methylcyclopentadecenone, 3-methylcyclopentadecanone  
 15 (muscone), ethylene dodecanedioate, musk ketone,  
 11-oxa-16-hexadecanolide, 5-cyclohexadecen-1-one, butyl  
 anthranylate, hexyl salicylate, amyl salicylate,  
 10-oxa-16-hexadecanolide,  
 4,6,6,7,8,8-hexamethyl-1,3,4,6,7,8-hexahydrocyclopenta  
 20 benzopyran, 6-acetyl-1,1,2,4,4,7-hexatetralin,  
 cis-8-cyclohexadecenolide,  
 3-methyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-pentan-2-  
 ol,  
 2-methyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1  
 25 -ol-2-butanone,

3,3-dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-4-penten-2-ol, 2-cyclohexylidene-2-phenyl acetonitrile, and cyclopentadecanolide.

4. A fragrance composition for a hair cosmetic composition having a pH of 1 to 5, comprising said ingredients (E), (F) and (G) as defined in claim 3.

5. The fragrance composition according to claim 4 for a hair cosmetic composition having a pH of 1 to 5, wherein a content of said ingredient (E) is from 10 wt.% to 70 wt.% of said fragrance composition, a content of said ingredient (F) is from 5 wt.% to 60 wt.% of said fragrance composition, and a content of said ingredient (G) is from 10 wt.% to 60 wt.% of said fragrance composition.

6. The hair cosmetic composition having a pH of 1 to 5, comprising a fragrance composition according to any one of claims 1 to 5.